



# imgix Commerce Cloud Integration Documentation

v21.1.0

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# Introduction

The imgix cartridge allows users to add images from imgix's [Image Manager](#) quickly and easily to Page Designer, and to integrate Product images with imgix. Leverage the power of imgix's Image Manager to search, transform, and insert images seamlessly; all from within Commerce Cloud. imgix is a powerful image service that optimizes images for any device and serves them quickly anywhere in the world. Choose the best images for your products and pages without thinking twice about proper formats, correct sizing, or minimizing image weight without sacrificing visual quality.

# Installation Guide

## Download the cartridges

You can download the cartridges from their GitHub [repository](https://github.com/imgix/sf-commerce-cloud) (<https://github.com/imgix/sf-commerce-cloud>).

## Install the dependencies

Browse to the downloaded repository and install the dependencies.

```
$ cd sf-commerce-cloud/  
$ npm i
```

## Install the cartridges in the sandbox

*You can alternatively use Salesforce [UX Studio](#) or the [sgmf-scripts tool](#) to upload and link your cartridges. Look to their [documentation](#) for information on how to upload using them.*

We recommend you open the downloaded cartridges folder in [VSCode](#) and use the [Prophet](#) extension to upload the cartridge.

## Upload the cartridge to the sandbox

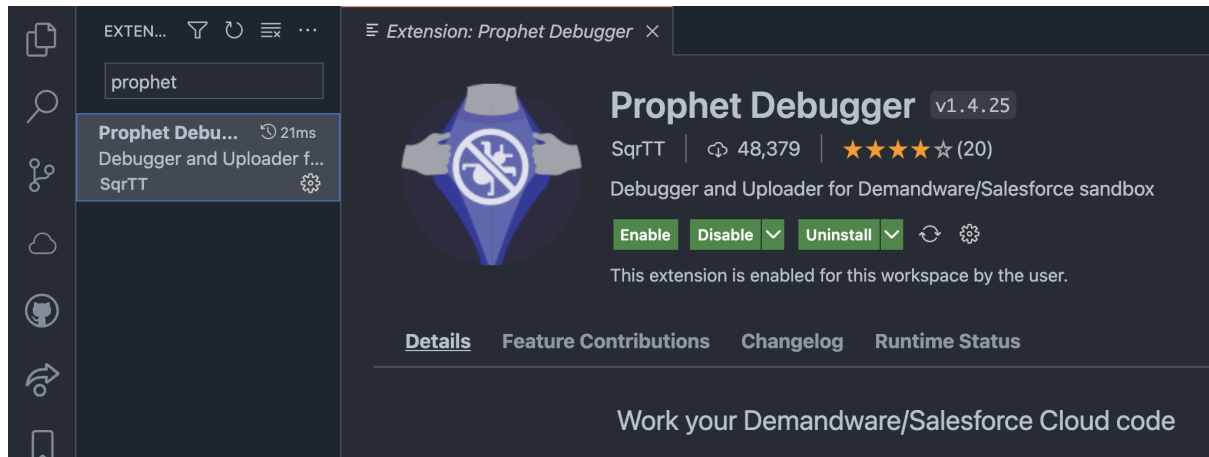
### 1. Create a `dw.json` file at the download folder's root directory.

This file stores your SFCC credentials. The Prophet extension will use this file to read from and write to your SFCC sandbox.

```
{  
  "hostname": "your-sandbox-hostname.demandware.net",  
  "username": "your-login",  
  "password": "your-password",  
  "version": "code-version-to-upload-to"  
}
```

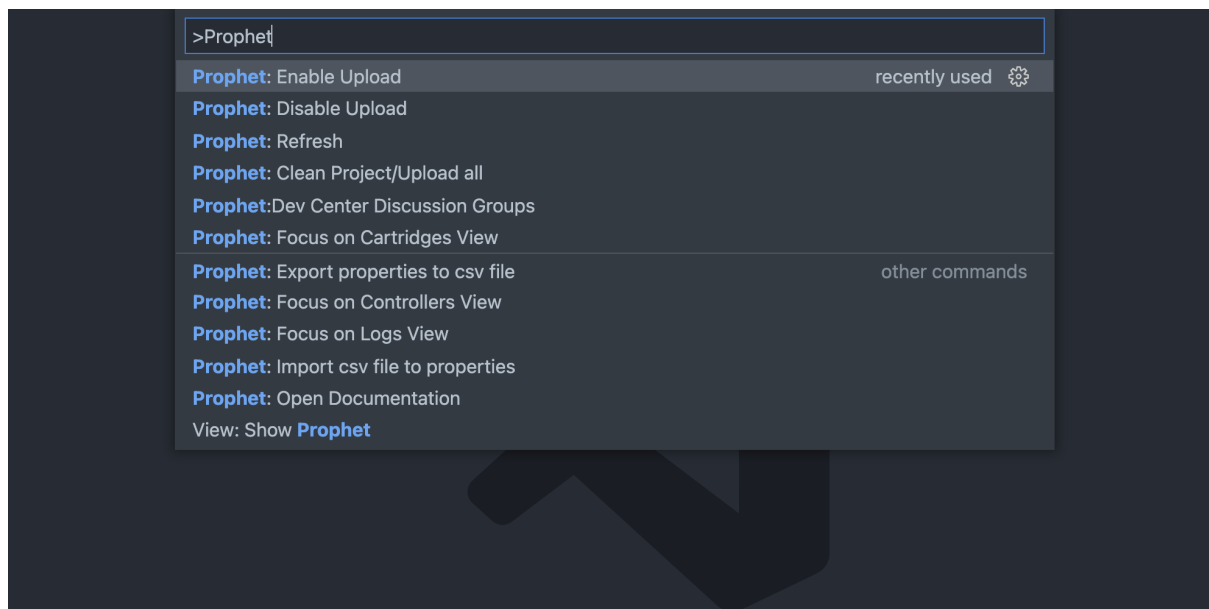
## 2. Install the Prophet Extension

The [Prophet](https://marketplace.visualstudio.com/items?itemName=SqrTT.prophet) extension allows you to manage your SFCC cartridges inside VSCode. You can download it here: <https://marketplace.visualstudio.com/items?itemName=SqrTT.prophet>

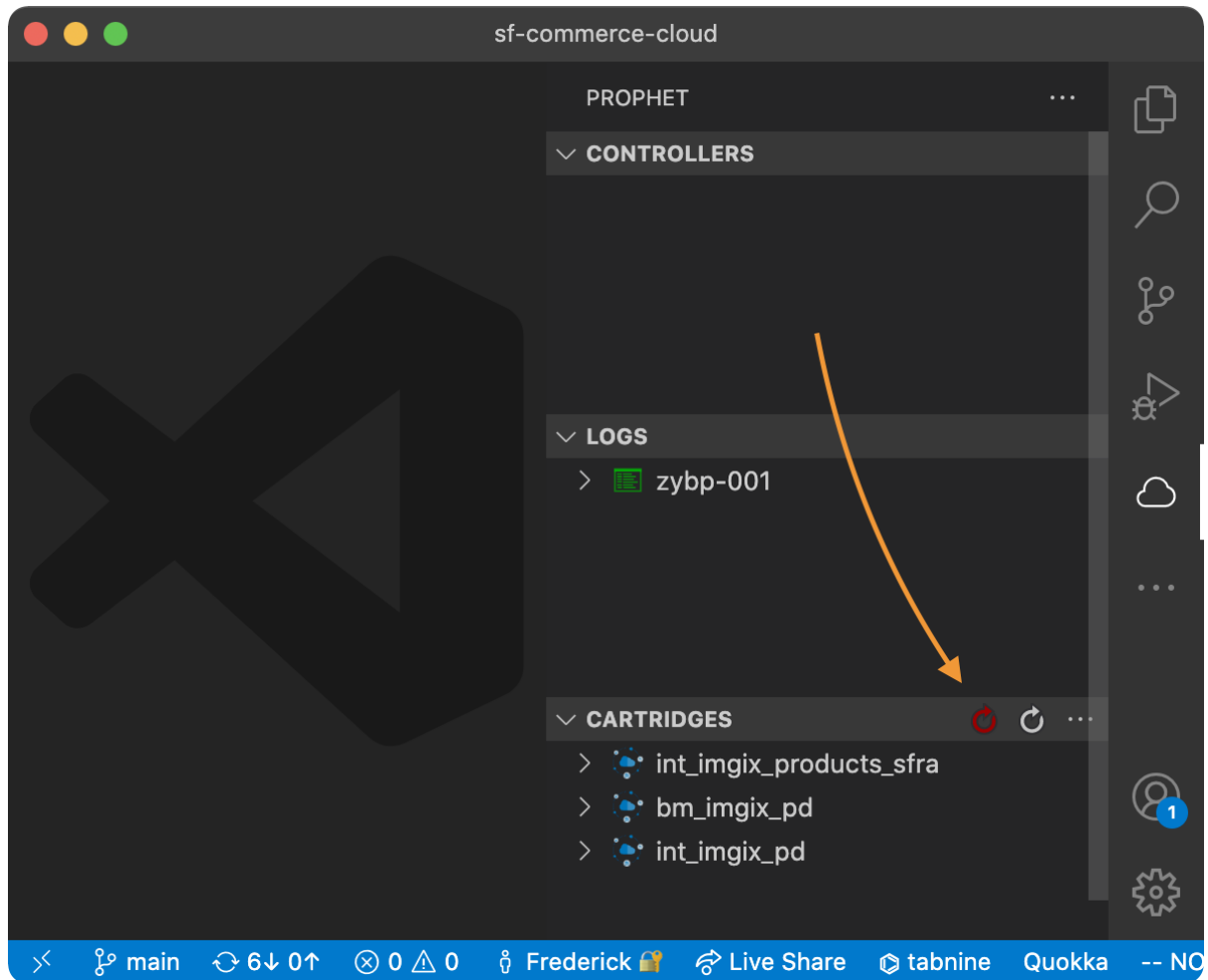


## 3. Enable uploading in the Prophet extension

Once it's installed, open the VSCode command palette and search for and select `Prophet: enable upload`.



Then, in the Prophet extension, click on the red circle-arrow to force upload all the detected cartridges. Make sure you select "Leave All" if a dialog asks you if you would like to leave existing cartridges.



#### 4. Update the cartridge path

Once the cartridges are linked to your sandbox, the Business Manager and Site cartridge paths need to be updated to include them.

Go to Administration > Sites > Manage Sites and select the correct site.

Sandbox - zybp

Select a Site ▼

Merchant Tools ▼

Administration ▼

Administration feature lookup...

Replication

Data Replication

Code Replication

Sites

Manage Sites

Customer Lists

Content Libraries

Batch Processes

Embedded CDN Settings

Site Development

Development Setup

Code Deployment

System Object Types

Custom Object Types

Custom Error Pages

Custom Maintenance Pages

Deprecated API Usage

Import & Export

Site Import & Export

Open Commerce API Settings

Salesforce Commerce API Settings

Customer Service Center Settings

Global

Locales

Instance Tir

Change His

OAuth2 Pro

Security

JavaScript a

Store Locat

Feature Swi

Order Searc

Sequence N

Products

Retention S

Import & E:

Global Tim

Organization

Organization Profile

Users

Roles & Permissions

Permission Audit

WebDAV Client Permissions

Then, browse to the Settings tab and add `int_imgix_pd` and `int_imgix_products_sf` to the cartridge path.

## Storefront Sites

The list shows all Storefront sites defined in this organization.

Click **New** to create a new site. Click **Delete** to delete an existing site and all its content.

Click the site name to edit the site settings. Use the **Up** and **Down** buttons to define the order in which sites appear throughout the Business Manager.

Select All	Name	ID	Status	Sorting
<input type="checkbox"/>	RefArch	RefArch	Online	
<input type="checkbox"/>	RefArchGlobal	RefArchGlobal	Online	
Refresh			New	Delete

## RefArch - Settings

Click **Apply** to save the details. Click **Reset** to revert to the last saved state.

Instance Type: Sandbox/Development ▼

HTTP Hostname:

HTTPS Hostname:

Instance Type: All

Cartridges:

Effective Cartridge Path:

int\_imgix\_products\_sf: int\_imgix\_pd: app\_storefront\_base

int\_imgix\_pd: app\_storefront\_base: plugin\_apple\_pay: plugin\_facebook: plugin\_paym



Next, go to Administration > Sites > Manage Sites > Business Manager > Settings and add `bm_imgix_pd` to the cartridge path.

[Administration](#) > [Sites](#) > Manage Sites

## Storefront Sites

The list shows all Storefront sites defined in this organization.

Click **New** to create a new site. Click **Delete** to delete an existing site and all its content.

Click the site name to edit the site settings. Use the **Up** and **Down** buttons to define the order in which sites appear throughout the I

Select All	Name
<input type="checkbox"/>	<a href="#">RefArch</a>
<input type="checkbox"/>	<a href="#">RefArchGlobal</a>
<a href="#">Refresh</a>	

## Business Manager Site

Manage the [Business Manager](#) site.

## Business Manager - Settings

Click **Apply** to save the details. Click **Reset** to revert to the last saved state.

Instance Type:

Deprecated. Up to two instance specific hostname aliases for Business Manager can be configured here.

HTTP Hostname:

HTTPS Hostname:

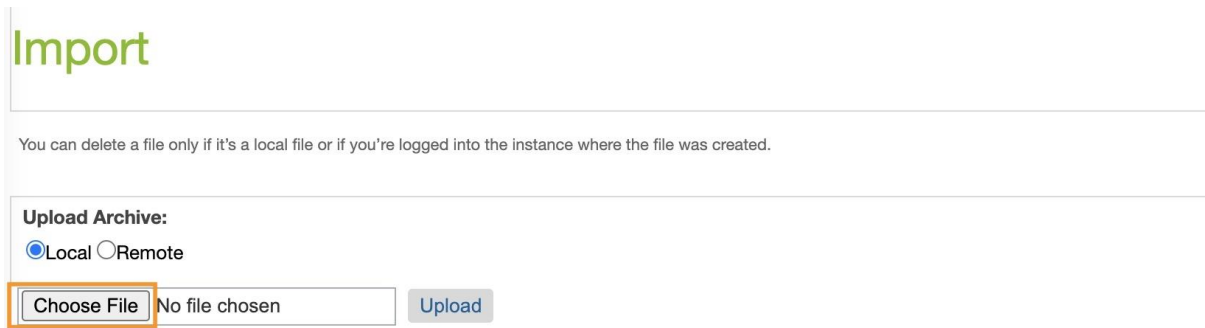
Instance Type: All

Cartridges:

Effective Cartridge Path: app\_business\_manager:plugin\_apple\_pay:plugin\_facebook:plugin\_payments:plugin\_

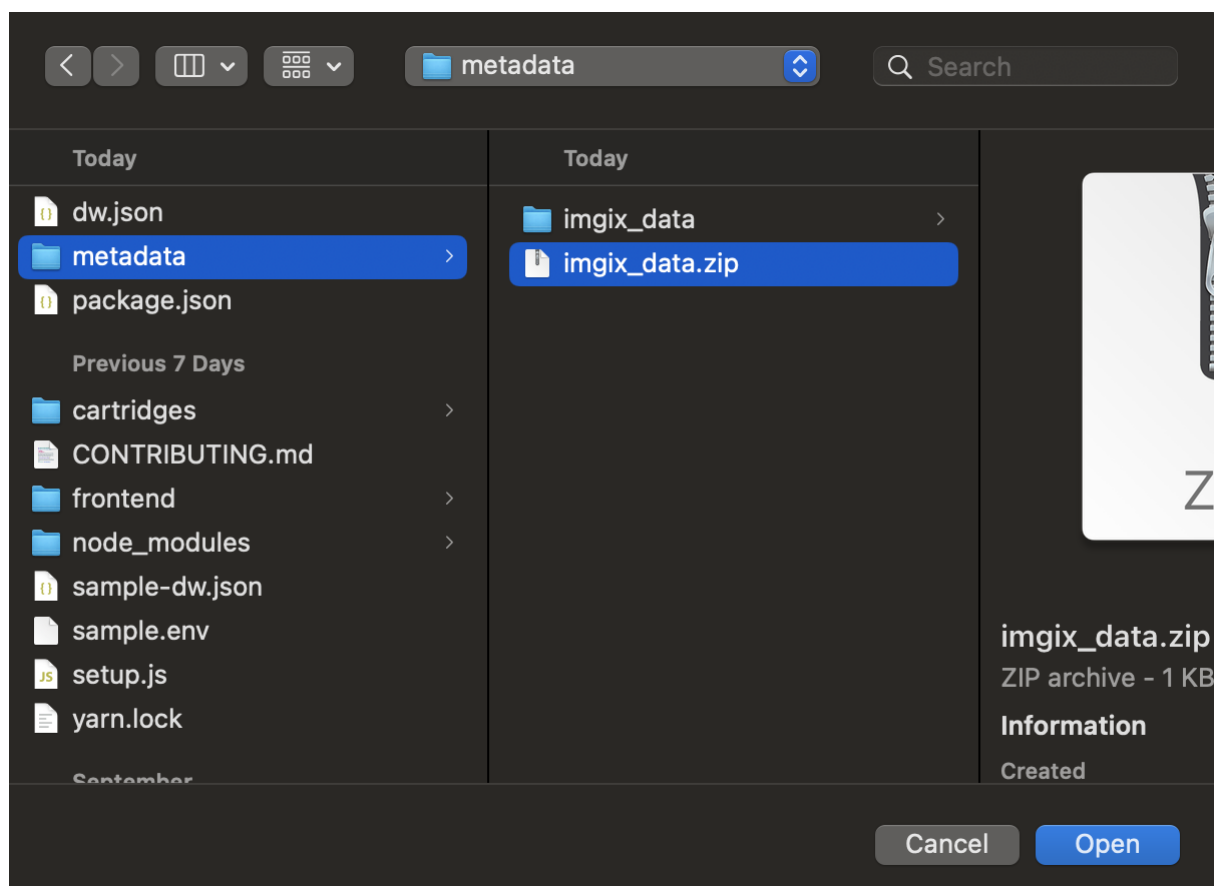
## 5. Upload custom imgix preferences metadata

Go to Administration > Site Development > Site Import & Export. In the import section, select “Choose file”.



The screenshot shows the 'Import' section of a web application. At the top, the word 'Import' is displayed in green. Below it, a message states: 'You can delete a file only if it's a local file or if you're logged into the instance where the file was created.' Under the heading 'Upload Archive:', there are two radio buttons: 'Local' (selected) and 'Remote'. Below these is a text input field with a 'Choose File' button on the left and 'No file chosen' text on the right. To the right of this field is an 'Upload' button.

Select `imgix_data.zip` from the repository's `metadata` folder and click Open.



Click Upload.

**Upload Archive:**

☒ Local ☐ Remote

Choose File

Then click Import.

Upload Archive:

☒ Local ☐ Remote

Choose File

Select	Name ▲	Location	Delete Allowed?	File Size	Last Modified
<input checked="" type="radio"/>	instance/imgix_data.zip	local	Yes	2.09 KB	12/9/21 6:19:45 pm
<input type="radio"/>	SiteGenesis Demo Site				
<input type="radio"/>	Storefront Reference Architecture Demo Sites				

And, finally, click OK.

 Are you sure that you want to import the selected archive?

Upload Archive:

☒ Local ☐ Remote

Choose File

Select	Name ▲	Location	Delete Allowed?	File Size	Last Modified
<input checked="" type="radio"/>	instance/imgix_data.zip	local	Yes	2.09 KB	12/9/21 6:19:45 pm
<input type="radio"/>	SiteGenesis Demo Site				
<input type="radio"/>	Storefront Reference Architecture Demo Sites				

## Create an imgix account

In order to use the cartridges, you need to have an imgix account. If you don't already have an imgix account, the easiest way to get started is to follow the steps outlined in the [imgix Quick Start Guide](#). This guide covers how to sign up, create an imgix source, add images, and much more. You can also follow the steps outlined in the [imgix Setup](#) documentation page.

## Creating an imgix source for product images

This section configures an imgix source to point to Salesforce in order to render product images through imgix. If you do not want this feature to be enabled, you can skip this step.

Go to the [New Source page](#) on the imgix dashboard, and configure the source as follows:

**Source Type:** Web Folder

**Base URL:** The public path to your Commerce Cloud instance. If the URL to your site is `https://your-subdomain.dx.commercecloud.salesforce.com/on/demandware.store/Sites-RefArch-Site`, then set this value to

`https://your-subdomain.dx.commercecloud.salesforce.com`

**imgix Image Subdomain:** This can be anything you want

imgIX

DashboardSourcesImagesAnalyticsToolsSupport

IX

Fred Fogertyimgix

New Source

SIMPLE

ADVANCED

All Sources > New

General

Source Type

Web Folder

Web Folder Settings

Base URL

https://your-subdomain.dx.commercecloud.salesforce.com

Domains

imgix Image Subdomain

https:// acme-cc .imgix.net

+ IMGIX SUBDOMAIN

+ CUSTOM DOMAIN

REVERT ALL

Then click Save. Keep the imgix subdomain noted somewhere for later.

## Configure the Cartridge Site Preferences

First, you'll need to find your imgix account-specific [API key](#). To create a key, navigate to the [API Keys view](#) in your Dashboard.

imgIX

DashboardSourcesAnalyticsToolsSupport

IX

API Keys

GENERATE NEW KEY

Name	Key	Last Used	Permissions
test-key-1	ak_d39f4*****	4 weeks ago	<div><div>Sources</div><div>Image Manager Browse</div><div>Image Manager Edit</div><div></div></div>

Next, go to Merchant Tools > Site Preferences > imgixAttributes.

Merchant Tools / Site Preferences /

## Custom Site Preference Groups <sup>?</sup>

[View Across Sites](#) [New](#)

Search by ID

1-2 of 2

ID	Name	Description	Preferences	View Across Sites
<a href="#">Storefront Configs</a>	Storefront Confi...		5	<a href="#">View</a>
<a href="#">imgixAttributes</a>	imgix Attributes		2	<a href="#">View</a>

Here you can enter your imgix API key and any default parameters you would like to apply to your image assets.

We recommend that you set the default parameters to `auto=format,compress`, which will ensure that imgix always delivers your images in the most performant format, and are compressed without sacrificing image quality.

For the imgix Base URL field, set the value of the imgix subdomain you created in the “Creating an imgix source for product images” step. If you skipped that step, you can also skip this step. **Ensure that the value includes https://.**

Merchant Tools / Site Preferences / Custom Site Preference Groups /

## imgix Attributes <sup>?</sup>

[Cancel](#) [Apply to Other Sites](#) [Save](#)

Instance Type  
Sandbox

Search by ID

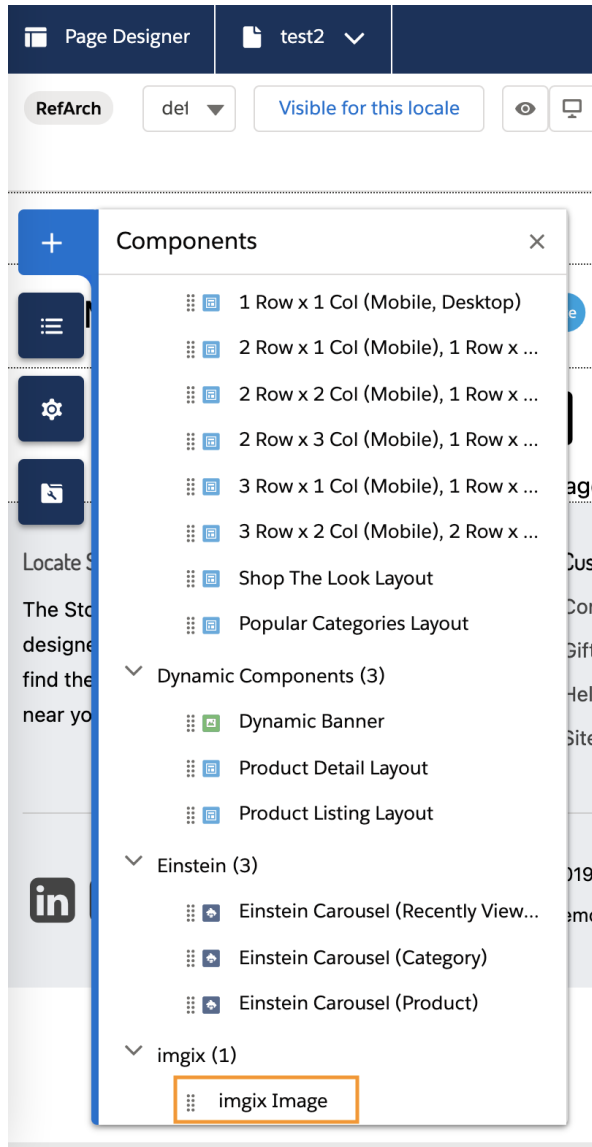
1-3 of 3

Name	Value	Default Value
imgix API Key (imgixApiKey) (String) The API Key of imgix account	<input type="text" value="ak_....."/>	<a href="#">Edit Across Sites</a>
imgix Default Params (imgixDefaultParams) (String) imgix Default Params to be passed in URL	<input type="text" value="auto=format,compress"/>	<a href="#">Edit Across Sites</a>
imgix Base URL (imgixBaseURL) (String) Include Protocol Eg: http:// or https://	<input type="text" value="https://cc-zybp-001.imgix.net"/>	<a href="#">Edit Across Sites</a>

## Verifying that the installation was successful

To verify that the installation was successful, first, navigate to the Page Designer (Merchant Tools > Content > Page Designer) and select any page. Then, verify that “imgix Image” exists in the component dropdown. If yes, you’re all set. If not, then please review the previous steps carefully, ensuring that:

- the correct site has been configured
- the cartridge path for **both** the relevant site **and** the Business Manager was set correctly
- the metadata was imported correctly
- the cartridges were uploaded correctly
- the correct code deployment version with the imgix cartridges is selected



# Usage Guide

## Access imgix Image Manager through Page Designer

*Before you access the imgix Image Manager in the Page Designer, ensure you've followed the installation steps for adding the imgix LINK cartridge and API keys.*

To open the imgix Image Manager in a Page Designer page, you need to add the imgix Image component.

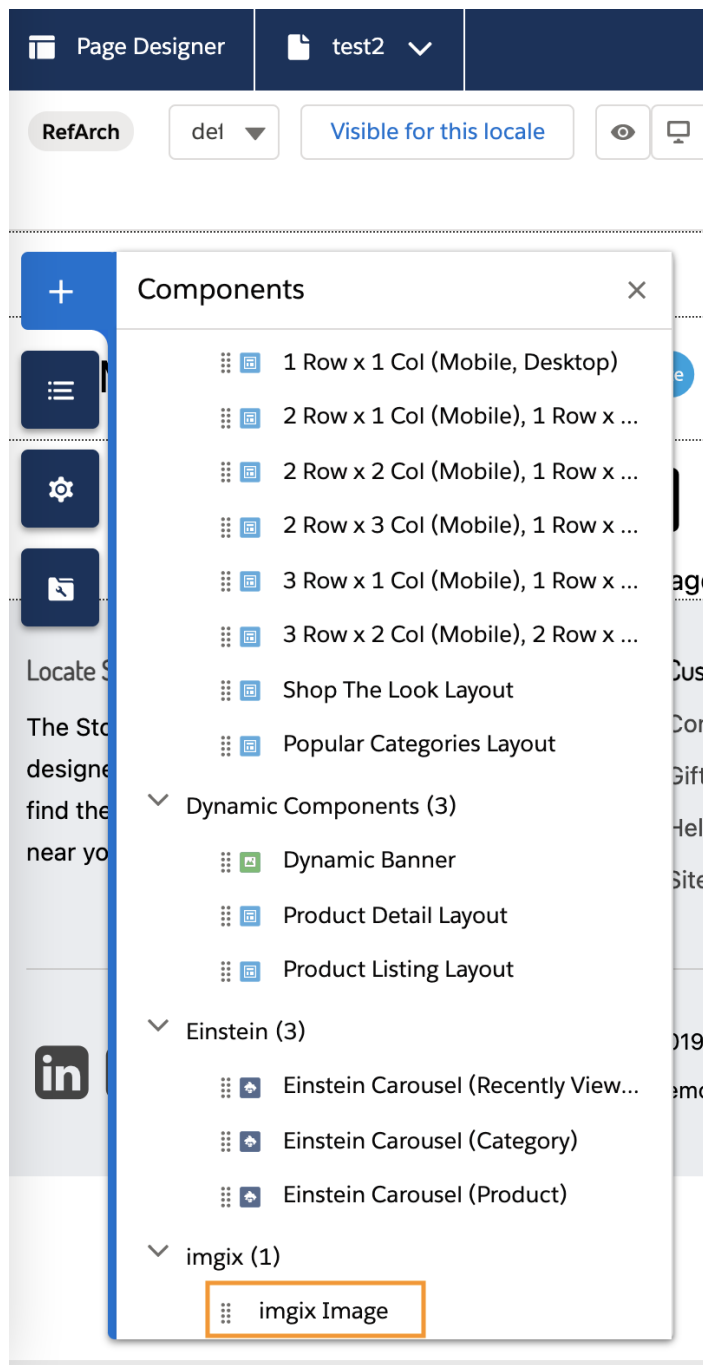
### Add the Page Designer imgix Image Component

Go to Merchant Tools > Content > Page Designer and select or create a Page Designer page.

The screenshot shows the Salesforce Merchant Tools interface. At the top, there is a header bar with the Salesforce logo, the text 'Sandbox - zybp RefArch' with a dropdown arrow, and two tabs: 'Merchant Tools' (active) and 'Administration'. Below the header is a search bar labeled 'Merchant Tools feature lookup...'. The main content area is divided into three columns. The first column, 'Content', lists 'Libraries', 'Library Folders', 'Content Assets', 'Import & Export', and 'Page Designer' (which is highlighted with an orange box). The second column, 'Products and Catalogs', lists 'Products', 'Product Sets', 'Catalogs', 'Product Options', 'Variation Attributes', 'Recommendations', 'Price Books', 'Inventory', 'Catalog Feeds', 'Batch Processes', and 'Import & Export'. The third column, 'Search', lists 'Search Indexes', 'Search Index Rebuild Schedule', 'Search Index Query Testing', 'Search Dictionaries', 'Searchable Attributes', 'Search Driven Redirects', 'Stop Word Dictionary', 'Category Name Exclusions', 'Synonym Dictionary', 'Hypernym Dictionary', 'Compound Word Dictionary', 'Common Phrase Dictionary', 'Search Suggestions', and 'Stemming Exceptions'. At the bottom of the first column, there is a section for 'Customers' with links to 'Customers', 'Customer Groups', 'Snapshots', 'Batch Processes', and 'Import & Export'. At the bottom of the second column, there is a section for 'Ordering' with a shopping cart icon.

Content	Products and Catalogs	Search
<a href="#">Libraries</a>	<a href="#">Products</a>	<a href="#">Search Indexes</a>
<a href="#">Library Folders</a>	<a href="#">Product Sets</a>	<a href="#">Search Index Rebuild Schedule</a>
<a href="#">Content Assets</a>	<a href="#">Catalogs</a>	<a href="#">Search Index Query Testing</a>
<a href="#">Import &amp; Export</a>	<a href="#">Product Options</a>	<a href="#">Search Dictionaries</a>
<a href="#">Page Designer</a>	<a href="#">Variation Attributes</a>	<a href="#">Searchable Attributes</a>
	<a href="#">Recommendations</a>	<a href="#">Search Driven Redirects</a>
	<a href="#">Price Books</a>	<a href="#">Stop Word Dictionary</a>
	<a href="#">Inventory</a>	<a href="#">Category Name Exclusions</a>
	<a href="#">Catalog Feeds</a>	<a href="#">Synonym Dictionary</a>
	<a href="#">Batch Processes</a>	<a href="#">Hypernym Dictionary</a>
	<a href="#">Import &amp; Export</a>	<a href="#">Compound Word Dictionary</a>
		<a href="#">Common Phrase Dictionary</a>
		<a href="#">Search Suggestions</a>
		<a href="#">Stemming Exceptions</a>

Once on the page, go to Components > imgix > imgix Image and drag it to the page.

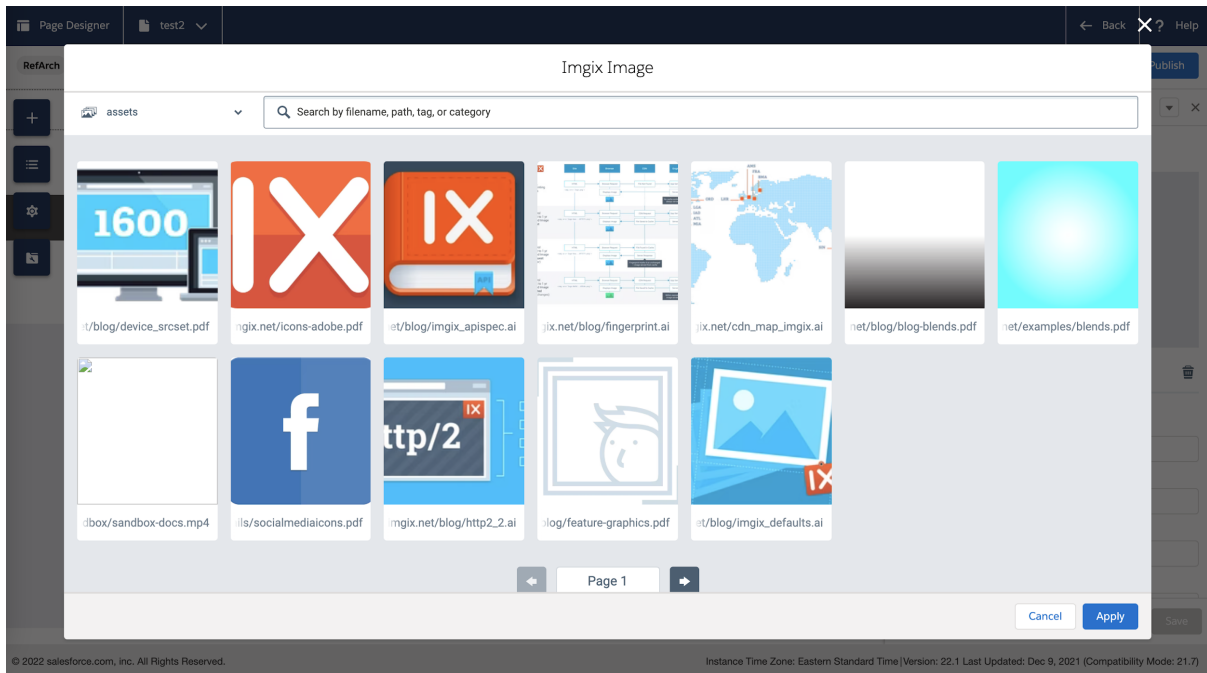




Then, click on the imgix image component you just dragged onto the page. This will open the imgix Image Component editor.

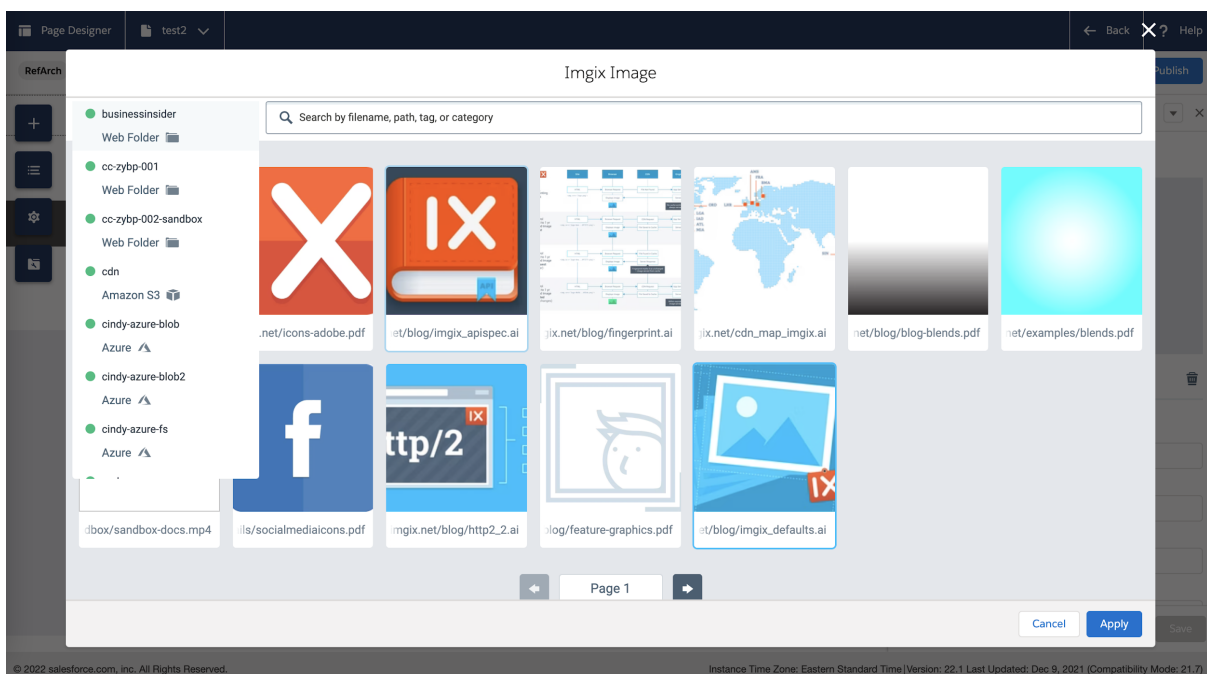
The screenshot shows the 'imgix Image Component' editor. At the top, there's a toolbar with icons for undo, redo, and other editing functions. Below the toolbar, the editor is divided into two main sections. On the left, there's a sidebar with a 'Menu' section containing icons for 'Locate Store', 'Account', and 'Check Order'. The 'Locate Store' section is expanded, showing the text: 'The Store Locator is designed to help you find the closest store near you.' Below this, there are social media icons for LinkedIn, Facebook, Twitter, and YouTube, along with an upward arrow icon. On the right, the main editing area is titled 'imgix Image Component'. It features a large gray box labeled '\* Target Image' with a '+ ADD IMAGE' button in the center. Below this, there's a section titled 'Add an imgix Image' with a trash icon. This section contains three input fields: 'URL to Link To' with an information icon, 'Alt Text' with an information icon, and 'Sizes attribute' with an information icon. At the bottom of the editor, there are three buttons: 'Close', 'Save & Close', and 'Save'.

Then, click on Add Image. This will open the imgix Image Manager.



## Select your image in Image Manager

The Image Manager automatically selects the first imgix source defined on your account. You can change sources by clicking on the current source to open the source-select dropdown.

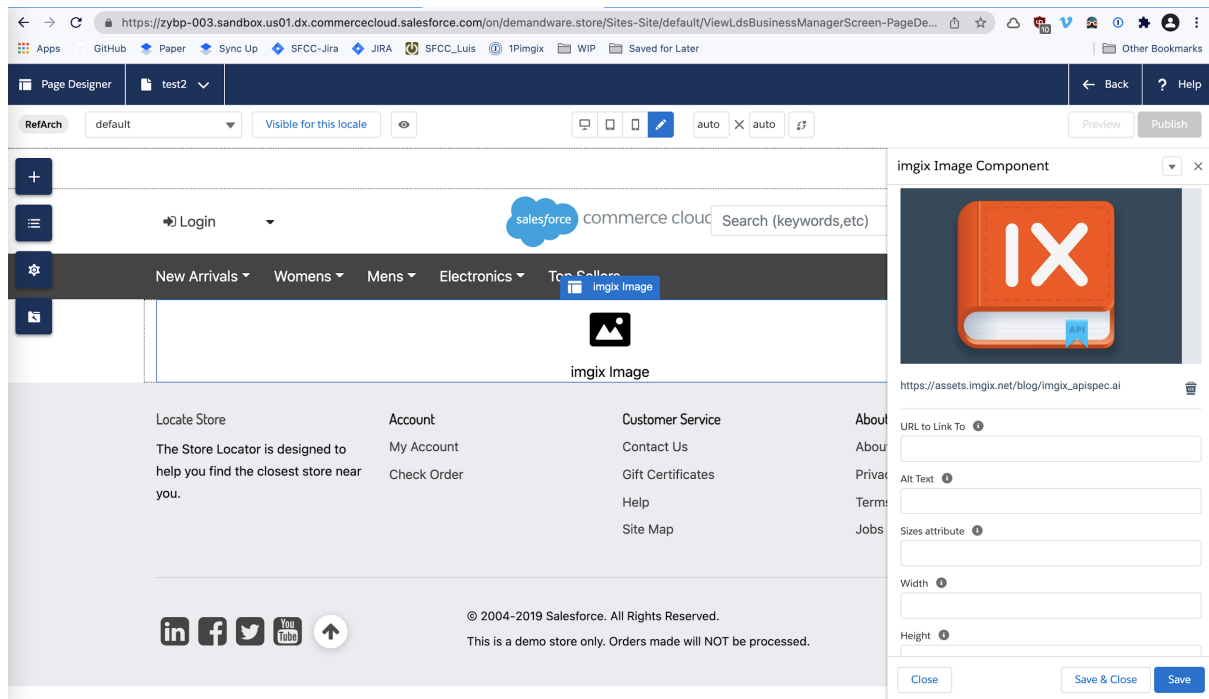


Once you've selected your imgix source, click on the pagination buttons or search for the image you want.

Once you've found the image you need, select it and click Apply to apply it as your current selection and close the Image Manager window.

## Edit your image in the imgix Image Component editor

You can change/set the image's alt, sizes, width, size, and anchor tag URL attributes. You can also apply the imgix `format` transformation as either `auto` or `crop`.



## Save your changes

To save the image, its attributes, and transformation click Save. This closes the imgix Image Component editor sidebar and saves the image to the Page Designer page.

## Integrating product images with imgix

If you have configured an imgix Base URL in your site preferences, then you are ready to integrate your product images with imgix. This integration works with product images by overriding the information that the SFRA models return. Therefore, once you have configured an imgix Base URL, your product images should already be proxied through imgix automatically. You can verify this by inspecting a product image on your storefront, and seeing that the URL should begin with your imgix source.

```
 == $0</a>
```



# Failover/Recovery process

For information on the status of imgix services, please see our service status page (<https://status.imgix.com/>). Users can subscribe to service status updates for real-time changes.

In the event of an outage, any images cache on the CDN edge will continue to serve images that were previously requested via imgix. However, images that are requested for the first time during an incident will not be successfully served. Once an outage is resolved, image delivery should resume without direct action needed from the user. As a course of remediation, users may also choose to disable the imgix cartridge during an outage and pass images through in the default method.

In the situation where errors persist, please contact the imgix support team ([support@imgix.com](mailto:support@imgix.com)) for further assistance.

# Specifications

## **imgix Cartridges Version**

21.1.0

## **Locales**

The imgix LINK cartridge is currently only explicitly supported in English storefronts.

## **Compatibility mode**

21.7 \*

## **SFRA version**

SFRA\_AP\_05\_04\_2021

# Support

Please contact our support team ([support@imgix.com](mailto:support@imgix.com)) for any issues with the cartridge or imgix's service.